

Title (en)

Surface and subsurface chemistry of an integration surface

Title (de)

Oberfläche und des Oberflächenchemie einer Integrationsoberfläche

Title (fr)

Chimie de surface et de sous-surface d'une surface d'intégration

Publication

EP 2777725 A3 20150114 (EN)

Application

EP 14159395 A 20140313

Priority

US 201313826304 A 20130314

Abstract (en)

[origin: EP2777725A2] An interbody spinal implant and a process of producing the implant. The implant includes an integration surface having a roughened surface topography as at least part of the top surface, bottom surface, or both surfaces. The integration surface comprises at least one or more of (a) a plurality of grains; (b) intergranular boundaries between the plurality of grains; and (c) unsatisfied chemical bonds. The integration surface may be produced by texturing a surface by chemical processes, mechanical processes, or both to provide the plurality of grains and intergranular boundaries and chemically etching the surface to provide unsatisfied chemical bonds. In addition, the plurality of grains and the intergranular boundaries may etch at different or non-uniform etch rates.

IPC 8 full level

A61L 27/50 (2006.01); **A61L 27/04** (2006.01); **A61L 27/06** (2006.01)

CPC (source: EP US)

A61F 2/28 (2013.01 - US); **A61L 27/04** (2013.01 - EP US); **A61L 27/06** (2013.01 - EP US); **A61L 27/50** (2013.01 - EP US);
A61L 2400/18 (2013.01 - EP US); **A61L 2430/38** (2013.01 - EP US)

Citation (search report)

- [XI] US 2012303127 A1 20121129 - ULLRICH JR PETER F [US], et al
- [A] US 2004210309 A1 20041021 - DENZER ALAIN J [CH], et al

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2777725 A2 20140917; **EP 2777725 A3 20150114**; US 2014277483 A1 20140918

DOCDB simple family (application)

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